

By Express Mail # EL503712193US · February 22, 2002

In the Abstract:

Amend the abstract as follows:

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--A cylinder assembly for a twin-screw extruder includes a cylinder forming an extrusion space and a hollow-cylinder mantle surrounding the cylinder and having a smooth inner surface. At least one channel is made in the shape of a helix in the longitudinal direction on the outside of the cylinder. The at least one channel is connected to an intake and outlet for conducting a tempering medium. The at least one channel is made by a winding-vortex process and the at least one channel is closed by the hollow-cylinder mantle. The cycle depth of the at least one channel in the radial direction changes over the circumference of the cylinder such that it is greatest in regions where the original wall thickness of the cylinder is greatest, and that it is smallest in the regions where the original wall thickness of the cylinder is also smallest.--

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